

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2075	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2075 McMullin	U	7.45						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.94	0.65	3.54	47.53%				
<i>Supplemental</i>								
DWR Erosion Survey	0.01		0.01	0.13%				
DWR UCIP Field Study					0.06	0.02		
<i>LMA Totals:</i>	0.95	0.65	3.55	47.66%	0.06	0.02	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Reclamation District No. 2075 McMullin

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 2075 McMullin

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	7.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/07/2015 - 04/07/2015		09/29/2015 - 09/29/2015	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Eddie Cordoza		Eddie Cordoza	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	9		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				o		o
					o		o
DWR ID	DWR_RD2075_01_f_2014_9						
Action/Comments							
Inspector Comments: RD 2075 has the O&M Manual on file.							

No Photos

LM Start		Rating **	A	Issue No.	10		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				o		o
					o		o
DWR ID	DWR_RD2075_01_f_2014_10						
Action/Comments							
Inspector Comments: RD 2075 has emergency supplies stored in their building.							

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD2075_01_f_2014_11				
Action/Comments					
Inspector Comments: RD 2075 has regular training for their work crews, they don't have district crew only trustees, landowners and farmers.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	0.09	Rating **	U	Issue No.	8
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.748575 °	37.747847 °
				-121.289728 °	-121.289550 °
DWR ID	DWR_RD2075_01_f_2015_8				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the sprayed weeds from the waterside slope.					

Photo 1 of 1 : FA_2015_RD2075_315_8_20151001_00009.jpg



Waterside levee slope looking downstream slope covered with tumbleweeds.

LM Start	0.09	Rating **	U	Issue No.	7
LM End	0.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.748575 °	37.743222 °
				-121.289728 °	-121.289183 °
DWR ID	DWR_RD2075_01_f_2015_7				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the sprayed weeds from the levee section.					

Photo 1 of 1 : FA_2015_RD2075_315_7_20151001_00010.jpg



Looking downstream from landside levee slope, weeds were sprayed not dragged off slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	0.12	Rating **	M	Issue No.	18
LM End	0.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.748200 °	37.748200 °
				-121.289717 °	-121.289717 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24663
 DS_ID:24735
 EP_NO: 4736
 FS_HLM: 0.1207
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: - pipe not visible on waterside.- no access to concrete riser on waterside.- blocked siphon breaker.
 FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 4.0 feet below the crown. Pump mounted on pile structure in drainage ditch on the landside. Siphon breaker in concrete riser unit on the waterward slope. Concrete distribution box at the toe of waterward slope. (App. No. 4736 - E. E. Brown). O&M Manual SJR 003, Dec. 1968.
 FS Date: 11/13/2013

LM Start	0.12	Rating **	M	Issue No.	18 (cont)
LM End	0.12	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_2717.jpg



LS view: walkway, pump, service pole, and intake structure.

Photo 2 of 3 : UCIP_FA_2015_2718.jpg



WS view: concrete pipe riser with siphon breaker on levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	0.12	Rating **	M	Issue No.	18 (cont)
LM End	0.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.748200 °	37.748200 °
				-121.289717 °	-121.289717 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24663					
DS_ID:24735					
EP_NO: 4736					
FS_HLM: 0.1207					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2719.jpg



WS view: concrete standpipe (top) and concrete pipe riser (bottom) on levee slope.

LM Start	1.02	Rating **	M	Issue No.	13
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.739548 °	37.737835 °
				-121.281257 °	-121.281613 °
DWR ID	DWR_RD2075_01_f_2015_13				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.14	Rating **	U	Issue No.	15
LM End	1.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.737962 °	37.735370 °
				-121.281678 °	-121.282915 °
DWR ID	DWR_RD2075_01_f_2015_15				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2015_RD2075_315_15_20151001_00011.jpg



Looking downstream at the landside levee slope johnson grass is present from shoulder to toe, same for the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	2.32	Rating **	M	Issue No.	19
LM End	2.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.731314 °	37.731314 °
				-121.293713 °	-121.293713 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24666
 DS_ID:24737
 EP_NO: N/A
 FS_HLM: 2.345
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: - service pole on landside.- looks abandoned.
 Walkway in dilapidated condition.
 FIELD_STRUCT_DESC: 16-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in drain ditch on the landward side. Siphon breaker in CM riser unit on the waterward slope.
 O&M Manual SJR 003, Dec. 1968.
 FS Date: 11/13/2013

LM Start	2.32	Rating **	M	Issue No.	19 (cont)
LM End	2.32	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_2571.jpg



WS view: concrete standpipe (top) and steel pipe riser (bottom marked) on levee slope.

Photo 2 of 3 : UCIP_FA_2015_2782.jpg



WS view: concrete standpipe on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	2.32	Rating **	M	Issue No.	19 (cont)
LM End	2.32	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.731314 °	37.731314
				-121.293713 °	-121.293713
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24666					
DS_ID:24737					
EP_NO: N/A					
FS_HLM: 2.345					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2783.jpg



WS view: blocked siphon breaker in steel pipe riser on levee slope.

LM Start	3.86	Rating **	M	Issue No.	20
LM End	3.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.713744 °	37.713744 °
				-121.280712 °	-121.280712 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41721					
DS_ID:24746					
EP_NO: N/A					
FS_HLM: 3.906					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Several concrete structure with Alfalfa valve. Only steel pipe visible on river bank. Service pole on waterside.New field discovered crossing.					
FIELD_STRUCT_DESC: 10-inch irrigation pvc pipe through the levee. Slant pump in river bank. Distribution box on levee berm on waterside. U type concrete headwall and open outlet on levee toe on landside.					
FS Date: 11/13/2013					

Photo 1 of 3 : UCIP_FA_2015_2605.jpg



LS view: concrete U type headwall on levee toe and open PVC pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	3.86	Rating **	M	Issue No.	20 (cont)
LM End	3.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.713744 °	37.713744 °
				-121.280712 °	-121.280712 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:41721
 DS_ID:24746
 EP_NO: N/A
 FS_HLM: 3.906
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Several concrete structure with Alfalfa valve. Only steel pipe visible on river bank. Service pole on waterside. New field discovered crossing.
 FIELD_STRUCT_DESC: 10-inch irrigation pvc pipe through the levee. Slant pump in river bank. Distribution box on levee berm on waterside. U type concrete headwall and open outlet on levee toe on landside.
 FS Date: 11/13/2013

LM Start	3.86	Rating **	M	Issue No.	20 (cont)
LM End	3.86	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_2606.jpg



WS view: slant pump on timber pile in the stream.

Photo 3 of 3 : UCIP_FA_2015_2607.jpg



WS view: slant pump and concrete distribution box on levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	5.20	Rating **	M	Issue No.	21
LM End	5.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728853 °	37.728853 °
				-121.275220 °	-121.275220 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41747					
DS_ID:24739					
EP_NO: N/A					
FS_HLM: 5.257					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 2 : UCIP_FA_2015_1192.jpg



LS view: siphon breakers in concrete pipe risers (bottom) on levee slope. Concrete distribution box on levee toe (top).

LM Start	5.20	Rating **	M	Issue No.	21 (cont)
LM End	5.20	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2015_1193.jpg



WS view: two pipes, walkway to pump and pile structure in the stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	5.20	Rating **	M	Issue No.	22
LM End	5.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728848 °	37.728848 °
				-121.275195 °	-121.275195 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:25184					
DS_ID:24743					
EP_NO: N/A					
FS_HLM: 5.258					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_1194.jpg



LS view: siphon breakers in concrete pipe risers (bottom) on levee slope. Concrete distribution box on levee toe (top).

LM Start	5.20	Rating **	M	Issue No.	22 (cont)
LM End	5.20	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_1195.jpg



WS view: closer view of two pumps and platform in the stream.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	5.20	Rating **	M	Issue No.	22 (cont)
LM End	5.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728848 °	37.728848
				-121.275195 °	-121.275195
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:25184 DS_ID:24743 EP_NO: N/A FS_HLM: 5.258 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1196.jpg



WS view: two pipes, walkway to pump and pile structure in the stream.

LM Start	5.28	Rating **	M	Issue No.	1	
LM End	5.29	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.727933 °	37.727933 °	
				-121.274491 °	-121.274491 °	
DWR ID						
Action/Comments						
Inspector Comments: 08/28/2015: No significant change observed. Loose material is visible at the upper levee slope. The loose soil may have been caused by runoff. 08/18/2014: No significant change observed. 09/10/2013: No significant change observed. 09/13/2012: No significant change observed. 08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection. 10/05/2010: No significant change observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. 08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U". 08/17/2007: Site is close to an irrigation pump inlet. [2015 Site ID:RD2075U01RM64.34]						

Photo 1 of 3 : SJR2015_RD2075U01RM64.34_13.jpg



Direct view of the levee slope. Note the loose soil possibly caused by runoff.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	5.28	Rating **	M	Issue No.	1 (cont)
LM End	5.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.727933 °	37.727933 °
				-121.274491 °	-121.274491 °
DWR ID					

Action/Comments

Inspector Comments: 08/28/2015: No significant change observed. Loose material is visible at the upper levee slope. The loose soil may have been caused by runoff.
 08/18/2014: No significant change observed.
 09/10/2013: No significant change observed.
 09/13/2012: No significant change observed.
 08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection.
 10/05/2010: No significant change observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee.
 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.
 08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U".
 08/17/2007: Site is close to an irrigation pump inlet. [2015 Site ID:RD2075U01RM64.34]

Photo 2 of 3 : SJR2015_RD2075U01RM64.34_15.jpg



Looking downstream at the erosion site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	5.28	Rating **	M	Issue No.	1 (cont)
LM End	5.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.727933 °	37.727933 °
				-121.274491 °	-121.274491 °
DWR ID					

Action/Comments

Inspector Comments: 08/28/2015: No significant change observed. Loose material is visible at the upper levee slope. The loose soil may have been caused by runoff.
 08/18/2014: No significant change observed.
 09/10/2013: No significant change observed.
 09/13/2012: No significant change observed.
 08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection.
 10/05/2010: No significant change observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee.
 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.
 08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U".
 08/17/2007: Site is close to an irrigation pump inlet. [2015 Site ID:RD2075U01RM64.34]

Photo 3 of 3 : SJR2015_RD2075U01RM64.34_2.jpg



Looking upstream at the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	5.56	Rating **	U	Issue No.	23
LM End	5.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.724877 °	37.724877 °
				-121.271025 °	-121.271025 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24723 DS_ID:24740 EP_NO: 3492 FS_HLM: 5.6278 Repair Type: Urgent Crossing Status: Found UCIP Comments: Huge erosion on waterside levee slope due to siphon breaker leakage.It is not 16-inch but 12-inch steel pipe.Pump not mounted on pile structure but mounted on concrete sump.Siphon breaker not in concrete riser but on steel pipe.Pipe is not 8 ft. below the crown but 4 ft below the crown.Looks original pipe was replaced with new crossing. Needs more information from LMA or DWR Inspector. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump mounted on concrete sump in drain ditch on the landside. Siphon breaker on the waterside slope. (App. No. 3492&A - RD2075) O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

LM Start	5.56	Rating **	U	Issue No.	23 (cont)
LM End	5.56	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_2879.jpg



LS view: closer view of pipe, pump and concrete sump in the drain ditch.

Photo 2 of 3 : UCIP_FA_2015_2880.jpg



LS view: pipe, pump and concrete sump in the drain ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	5.56	Rating **	U	Issue No.	23 (cont)
LM End	5.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.724877 °	37.724877 °
				-121.271025 °	-121.271025 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24723					
DS_ID:24740					
EP_NO: 3492					
FS_HLM: 5.6278					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2881.jpg



WS view: siphon breaker on steel pipe on levee slope. Huge soil erosion due to siphon breaker leakage.

LM Start	5.69	Rating **	M	Issue No.	17
LM End	6.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.723342 °	37.718837 °
				-121.269860 °	-121.258658 °
DWR ID	DWR_RD2075_01_f_2015_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	6.84	Rating **	U	Issue No.	24
LM End	6.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.714162 °	37.714162 °
				-121.259227 °	-121.259227 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43027

DS_ID:24742

EP_NO: 4051

FS_HLM: 6.919

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: - exposed deformed pipe on landside slope. Soil erosion also occurred around the deformed pipe. Walkway at pump on LS toe in poor structural condition.- a temporary 12-inch PVC pipe also found on both sides of the levee.

FIELD_STRUCT_DESC: 12-inch pipe through the levee, 5.5 feet below the crown. Pump mounted over concrete sump at the landside levee toe. Siphon breaker in CM riser unit on the waterward shoulder. 12-inch PVC pipe 1.0 foot below the crown Installed for emergency use during 1986 floods. (App. No. 4051). O&M Manual SJR 003, Dec. 1968.

FS Date: 11/13/2013

LM Start	6.84	Rating **	U	Issue No.	24 (cont)
LM End	6.84	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_1197.jpg



WS view: siphon breaker in CMP riser on levee shoulder.

Photo 2 of 3 : UCIP_FA_2015_1198.jpg



WS view: CMP riser (bottom) on levee shoulder. Steel pipe (top) and temporary pvc pipe on levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	6.84	Rating **	U	Issue No.	24 (cont)
LM End	6.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.714162 °	37.714162 °
				-121.259227 °	-121.259227 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43027					
DS_ID:24742					
EP_NO: 4051					
FS_HLM: 6.919					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_1199.jpg



LS view: deformed pipe and soil erosion around it (marked bottom). Pipe and pump on pile structure in drain ditch.

LM Start	7.43	Rating **	M	Issue No.	25
LM End	7.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.710421 °	37.710421 °
				-121.268221 °	-121.268221 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24738 DS_ID:24734 EP_NO: 2150 FS_HLM: 7.5128 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Most of the pipe exposed on waterside.Needs investigation regarding levee subsidence along pipe alienment on landside slope. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in the river. Concrete distribution box at the landward toe. Electric conduit through the levee. (App. No. 2150 - Cardoza) O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

Photo 1 of 3 : UCIP_FA_2015_2723.jpg



LS view: levee subsidence along pipe alignment on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/29/2015 09/29/2015	Herman Phillips

LM Start	7.43	Rating **	M	Issue No.	25 (cont)
LM End	7.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.710421 °	37.710421 °
				-121.268221 °	-121.268221 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:24738
 DS_ID:24734
 EP_NO: 2150
 FS_HLM: 7.5128
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Most of the pipe exposed on waterside. Needs investigation regarding levee subsidence along pipe alignment on landside slope.
 FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in the river. Concrete distribution box at the landward toe. Electric conduit through the levee.
 (App. No. 2150 - Cardoza) O&M Manual SJR 003, Dec. 1968.
 FS Date: 11/13/2013

LM Start	7.43	Rating **	M	Issue No.	25 (cont)
LM End	7.43	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_2724.jpg



LS view: concrete distribution box on levee toe.

Photo 3 of 3 : UCIP_FA_2015_2725.jpg



WS view: pipe, walkway, and pump on pile structure in the river.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement